

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD OF USING SECRETIN AND COMPOSITIONS MADE THEREFROM FOR THE TREATMENT OF AUTISM AND OTHER NEUROLOGICAL OR IMMUNOLOGICAL DISORDERS

the specification of which (check one):

☒ is attached hereto. ☐ was filed _____ as Serial No. _____;
amended on _____ (if
applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim foreign priority benefits under Title 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| <u>Prior Foreign Application(s)</u> | <u>Date Filed</u> | <u>Priority Claimed</u> |
|-------------------------------------|-------------------|-------------------------|
| [] [] (Number) (Country) | (Day/Month/Year) | Yes No |
| [] [] (Number) (Country) | (Day/Month/Year) | Yes No |

I hereby claim the benefit under Title 35 USC 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 USC 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------|----------------|------------------------------|
| (09/080,631) | (May 18, 1998) | (Pending) |
| (Application Serial No.) | (Filing Date) | (Patented/pending/abandoned) |

I hereby claim the benefit under Title 35 USC 119(e) of any United States provisional application(s) listed below:

(60/088,575)

(June 9, 1998)

(Pending)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business connected therewith in the Patent and Trademark Office, and to file with the USRO any International Application based thereon.

Daniel J. Bourque, 35,457

Kevin J. Carroll, 36,384

James T. Sullivan, 36,288

Address all correspondence to:

Law Offices
Daniel J. Bourque, P.A.
835 Hanover Street, Suite 303
Manchester, NH 03104
Telephone: (603) 623-5111
Facsimile: (603) 624-1432

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|---|------------------------|--|
| Full Name of Sole/First Inventor: | | |
| Victoria Beck | | |
| City of Residence Bedford | State or Country NH | Country of Citizenship US |
| Post Office Address 11 McIntosh Lane | City Bedford | State or Country Zip Code 03110 |
| Signature: (Please sign and date in permanent ink.) x <i>Victoria Beck</i> | | Date signed: x <i>January 8, 1999</i> |

ASSIGNMENT

Whereas, I,

Karoly Horvath
6652 Sanzo Road, Apartment C
Baltimore, MD 21209

hereinafter called assignor, have co-invented certain improvements in:

Method for Assisting in Differential Diagnosis and Treatment of Autistic Syndromes

and executed Provisional Patent Application No. 60/047,049, filed May 19, 1997 for Letters Patent of the United States; and

Whereas, University of Maryland, Baltimore, 520 West Lombard Street, Baltimore, MD 21201 (assignee), desires to acquire my entire right, title, and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged.

I, the above named assignor, hereby sell, assign, and transfer to the above named assignee, its successors and assigns, my entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I hereby execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Signed and sealed

Karoly Horvath

Date: 05/18/98

Norcella A. Gibson, Notary Public
City of Baltimore
State of Maryland
Commission Expires March 21, 1999

State of

County of

Subscribed and sworn to before me this 18th day of May 1998.

Norcella A. Gibson
Notary Public

Legalization-notarization not required for recording but is *prima facie* evidence of execution under 35 U.S.C. § 261).

MARCH 24, 1999



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

PTAS

BOURQUE & ASSOCIATES, P.A.
DANIEL J. BOURQUE, ESQUIRE
835 HANOVER STREET, SUITE 303
MANCHESTER, NH 03104



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UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/02/1998

REEL/FRAME: 9629/0157
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

UNIVERSITY OF MARYLAND, BALTIMORE

DOC DATE: 10/19/1998

ASSIGNEE:

BECK, VICTORIA
11 MCINTOSH LANE
BEDFORD, NEW HAMPSHIRE 03110

SERIAL NUMBER: 60047049
PATENT NUMBER:

FILING DATE: 05/19/1997
ISSUE DATE:

SERIAL NUMBER: 09080631
PATENT NUMBER:

FILING DATE: 05/19/1998
ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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APR 2 1999

ASSIGNMENT

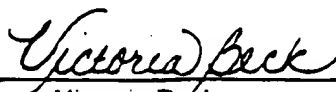
WHEREAS, I, Victoria Beck, an individual residing at 11 McIntosh Lane, Bedford, New Hampshire, USA 03110 (the "Assignor"), represent and warrant that I am the owner of the entire right, title and interest in and to the United States and foreign patent applications identified on Schedule A hereto, and in and to the inventions disclosed therein, subject only to the rights of the University of Maryland with respect to the Diagnostic Method, as defined in the Patent Assignment Agreement between me and the University of Maryland dated October 19, 1998 (the "University Rights"); and

WHEREAS, the Autism Research Institute, a California not-for-profit corporation with an address of 4182 Adams Avenue, San Diego, California, USA 92116 (the "Assignee"), desires to acquire an undivided fifty percent interest in and to the entire right, title and interest in and to said United States and foreign patent applications identified in Schedule A hereto, and in and to the inventions disclosed therein, subject to the University Rights, in the manner set forth in this Assignment;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby assigns unto the Assignee, and its successors and assigns, an undivided fifty percent interest in and to the entire right, title and interest throughout the United States, its territories and all foreign countries, in and to the United States and foreign patent applications identified in Schedule A hereto and the inventions disclosed therein, including the right to claim priority thereto under the International Convention; in and to all patents issuing thereon; and in and to all divisions, reissues, continuations, certificates of reexamination and extensions of such applications, inventions and patents; together with all rights of action and recovery for past infringement thereof; for the full term for which any patents thereon may be granted; subject in each case to the University Rights, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made.

AND, the Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any other granting authority to issue all patents of the United States and all foreign patents on such patent applications to the Assignee, to its successors or assigns, as the case may be, and to forward any and all correspondence, notices and filings with respect thereto to Victoria Beck at 11 McIntosh Lane, Bedford, New Hampshire, USA 03110, and to the Assignee at 4182 Adams Avenue, San Diego, California, USA 92116.

IN WITNESS WHEREOF I, Victoria Beck, have caused this Assignment to be executed this 12th day of February, 1999.


Victoria Beck

State of New Hampshire)
) ss
County of Hillsborough)

Subscribed and sworn to before me this 12 day of February, 1999.



Notary Public
My Commission Expires August 24, 1999

SEAL

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

OCTOBER 06, 1999

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FISH & RICHARDSON P.C.
J. PETER FASSE
225 FRANKLIN STREET
BOSTON, MA 02110-2804



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RECORDATION DATE: 08/05/1999

REEL/FRAME: 010141/0617
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BECK, VICTORIA A.

DOC DATE: 03/09/1999

ASSIGNEE:

REPLIGEN CORPORATION
117 FOURTH AVENUE
NEEDHAM, MASSACHUSETTS 02494

SERIAL NUMBER: 09080631
PATENT NUMBER:

FILING DATE: 05/19/1998
ISSUE DATE:

SERIAL NUMBER: 09229208
PATENT NUMBER:

FILING DATE: 01/13/1999
ISSUE DATE:

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JACQUELINE MOORE, PARALEGAL
ASSIGNMENT DIVISION
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| Initials | _____ |
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RECORDATION DATE: 08/09/1999

REEL/FRAME: 010153/0146
 NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 AUTISM RESEARCH INSTITUTE

DOC DATE: 03/09/1999

ASSIGNEE:
 REPLIGEN CORPORATION
 117 FOURTH AVENUE
 NEEDHAM, MASSACHUSETTS 02494

SERIAL NUMBER: 09229208
 PATENT NUMBER:

FILING DATE: 01/13/1999
 ISSUE DATE:

SERIAL NUMBER: 09080631
 PATENT NUMBER:

FILING DATE: 05/19/1998
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